

Table 3 Electricity Net Generation From Renewable Energy by Energy Use Sector and Energy Source, 2005 - 2009

(Thousand Kilowatthours)

Sector/Source	2005	2006	2007	2008	2009
Total	357,650,653	385,771,908	352,747,486	381,043,759	413,246,300
Biomass	54,276,810	54,860,621	55,538,578	55,033,612	54,336,774
Waste	15,420,393	16,098,525	16,524,554	17,733,759	18,093,335
Landfill Gas	5,142,111	5,677,040	6,157,750	7,156,340	7,351,052
MSW Biogenic ¹	8,330,471	8,477,571	8,303,838	8,096,801	8,342,265
Other Biomass ²	1,947,810	1,943,913	2,062,966	2,480,617	2,400,018
Wood and Derived Fuels ³	38,856,417	38,762,096	39,014,024	37,299,853	36,243,438
Geothermal	14,691,745	14,568,029	14,637,213	14,951,348	15,209,663
Hydroelectric Conventional	270,321,255	289,246,416	247,509,974	254,831,385	272,130,941
Solar Thermal/PV	550,294	507,706	611,793	864,315	807,988
Wind	17,810,549	26,589,137	34,449,927	55,363,100	70,760,934
Commercial	1,758,789	1,712,691	1,691,439	1,614,986	1,649,375
Biomass	1,672,752	1,619,245	1,614,160	1,554,948	1,580,390
Waste	1,656,755	1,598,646	1,598,799	1,533,645	1,559,715
Landfill Gas	217,632	172,590	202,547	233,636	243,760
MSW Biogenic ¹	953,093	955,910	962,496	910,908	937,642
Other Biomass ²	486,031	470,146	433,756	389,101	378,313
Wood and Derived Fuels ³	15,997	20,599	15,361	21,303	20,675
Hydroelectric Conventional	86,037	93,446	77,279	59,957	68,918
Solar Thermal/PV	-	-	-	80	67
Industrial	32,198,528	31,871,511	30,508,807	29,138,172	28,275,184
Biomass	29,003,087	28,972,463	28,918,826	27,462,283	26,415,224
Waste	732,553	572,447	631,452	821,394	757,546
Landfill Gas	113,155	28,786	27,087	21,494	19,186
MSW Biogenic ¹	34,441	34,541	39,782	-	-
Other Biomass ²	584,957	509,120	564,583	799,900	738,360
Wood and Derived Fuels ³	28,270,534	28,400,016	28,287,374	26,640,889	25,657,678
Hydroelectric Conventional	3,195,441	2,899,048	1,589,981	1,675,889	1,859,960
Solar Thermal/PV	-	-	-	-	-
Electric Power ⁴	323,693,336	352,187,707	320,547,239	350,290,602	383,321,741
Biomass	23,600,971	24,268,913	25,005,592	26,016,380	26,341,160
Waste	13,031,084	13,927,432	14,294,304	15,378,719	15,776,074
Landfill Gas	4,811,325	5,475,664	5,928,117	6,901,211	7,088,106
MSW Biogenic ¹	7,342,938	7,487,120	7,301,560	7,185,893	7,404,623
Other Biomass ²	876,822	964,648	1,064,627	1,291,615	1,283,345
Wood and Derived Fuels ³	10,569,886	10,341,481	10,711,288	10,637,661	10,565,085
Geothermal	14,691,745	14,568,029	14,637,213	14,951,348	15,209,663
Hydroelectric Conventional	267,039,777	286,253,922	245,842,714	253,095,539	270,202,064
Solar Thermal/PV	550,294	507,706	611,793	864,235	807,921
Wind	17,810,549	26,589,137	34,449,927	55,363,100	70,760,934

¹Includes paper and paper board, wood, food, leather, textiles and yard trimmings.

²Agriculture byproducts/crops, sludge waste, and other biomass solids, liquids and gases.

³Black liquor, and wood/wood waste solids and liquids.

⁴The electric power sector comprises electricity-only and combined-heat-power (CHP) plants within North American Classification System (NAICS) 22 category whose primary business is to sell electricity, or electricity and heat, to the public.

MSW = Municipal Solid Waste.

PV = Photovoltaic.

- = No data reported.

Notes: Totals may not equal sum of components due to independent rounding.

Data revisions are discussed in the Highlights section.

Data for 2009 is preliminary.

Source: Electric Power: U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report," and predecessor forms: Form EIA-906, "Power Plant Report," and Form EIA-920, "Combined Heat and Power Plant Report."